Exercise 1 (a) The function f defined by f(x) = 12x is

Multiple Choice:

- (i) even.
- (ii) odd. ✓
- (iii) neither even nor odd.
- (iv) both even and odd.
- (b) The function f defined by f(x) = 12x + 2 is

Multiple Choice:

- (i) even.
- (ii) odd.
- (iii) neither even nor odd. ✓
- (iv) both even and odd.
- (c) The function f defined by f(x) = 12 is

Multiple Choice:

- (i) even. ✓
- (ii) odd.
- (iii) neither even nor odd.
- (iv) both even and odd.
- (d) The function f defined by $f(x) = 5x^2 4$ is

Multiple Choice:

- (i) even. ✓
- (ii) odd.
- (iii) neither even nor odd.
- (iv) both even and odd.
- (e) The function f defined by $f(x) = 3x^3 5x$ is

$\label{eq:Multiple Choice: Multiple Choice:} Multiple \ Choice:$

- (i) even.
- (ii) odd. ✓
- (iii) neither even nor odd.

- (iv) both even and odd.
- (f) The function f defined by f(x) = 0 is

Multiple Choice:

- (i) even.
- (ii) odd.
- (iii) neither even nor odd.
- (iv) both even and odd. \checkmark